

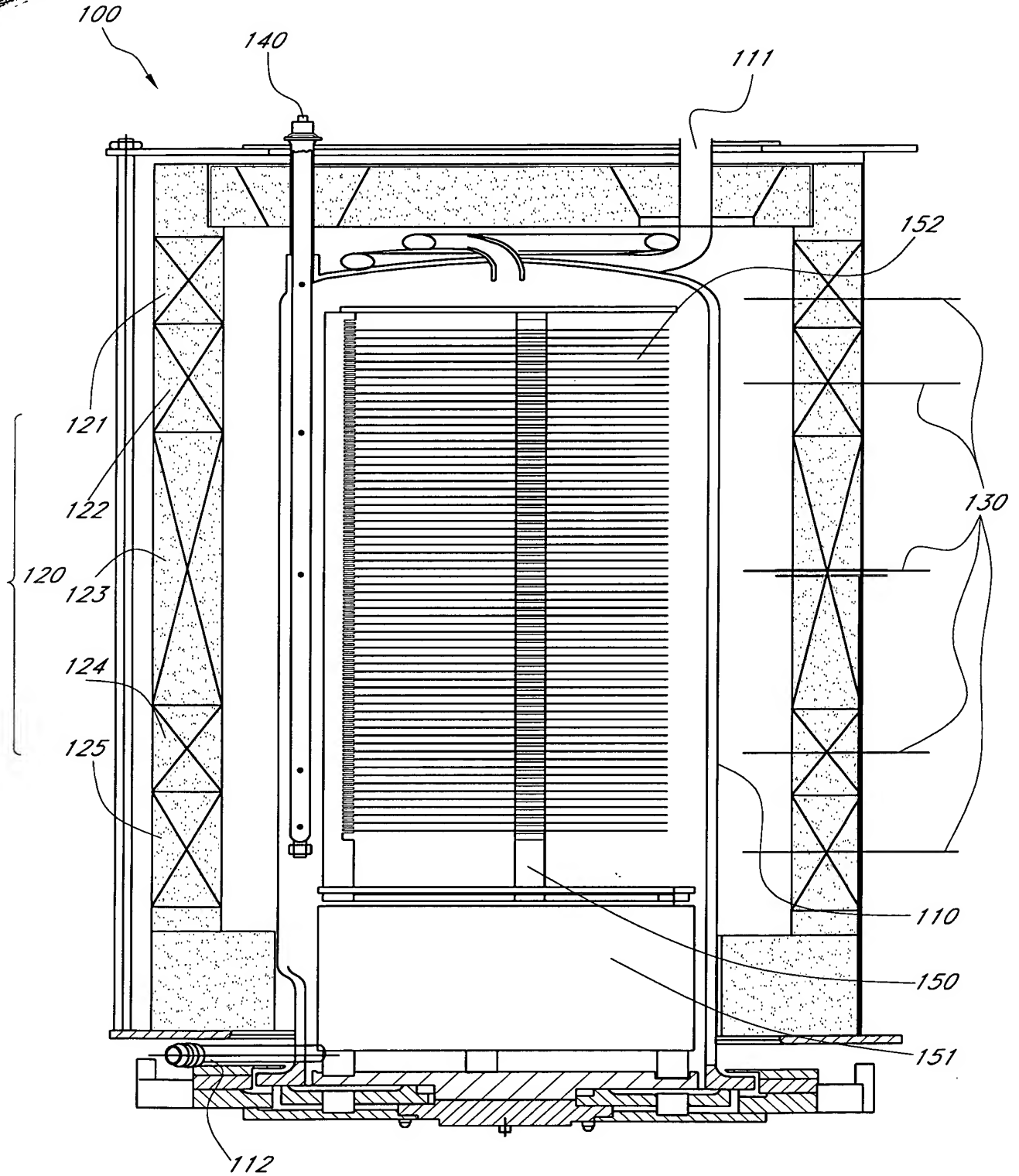


HYBRID CASCADE MODEL-BASED PREDICTIVE CONTROL SYSTEM

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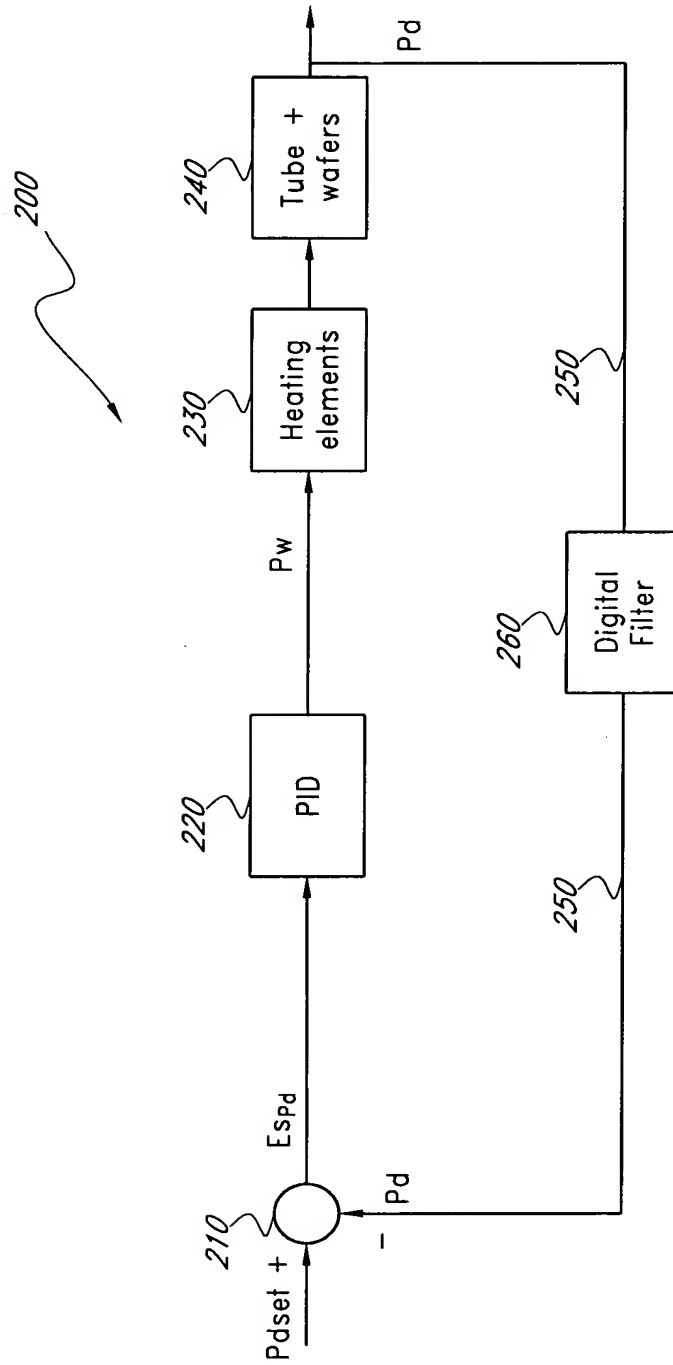
Appl. No.: 10/619,383 Atty Docket: ASMINT.048AUS

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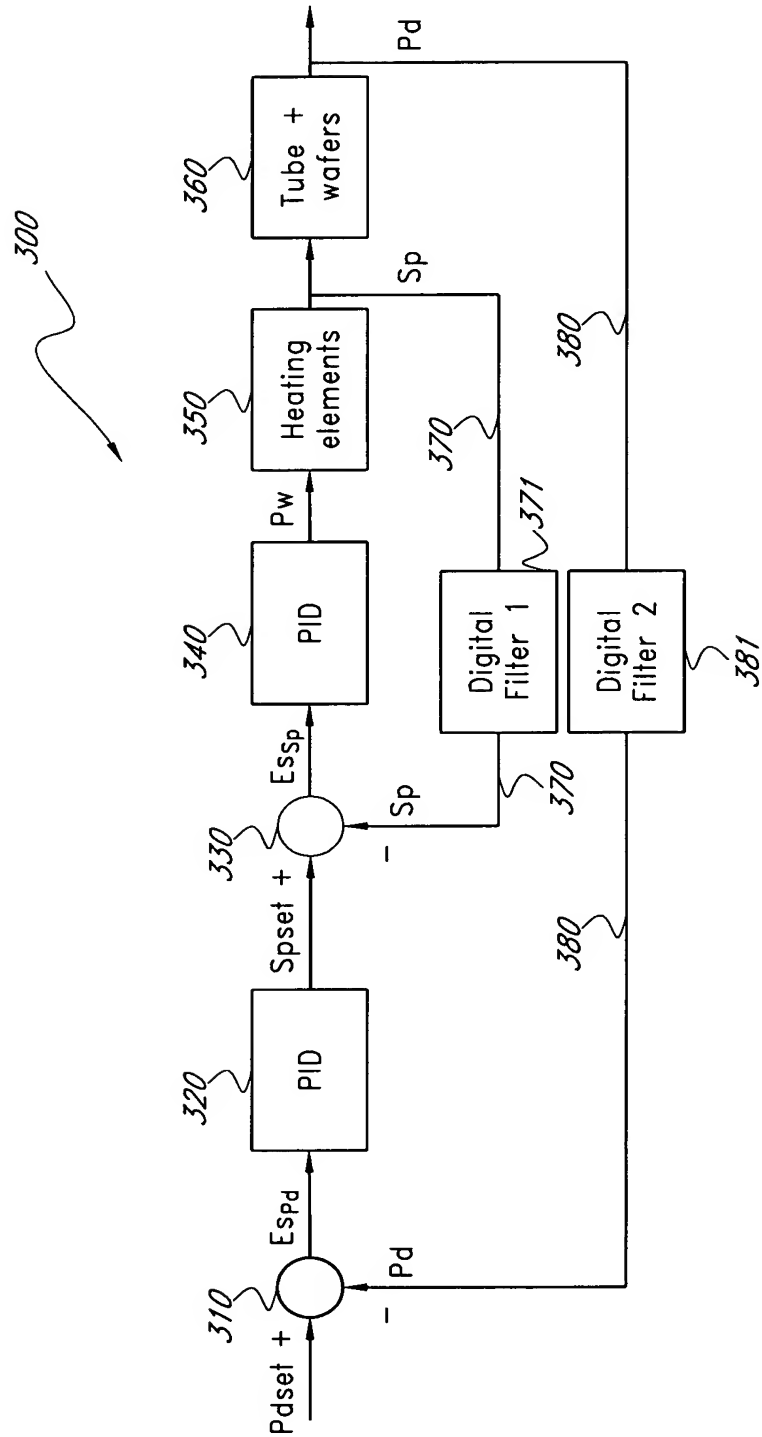


**FIG. 1**

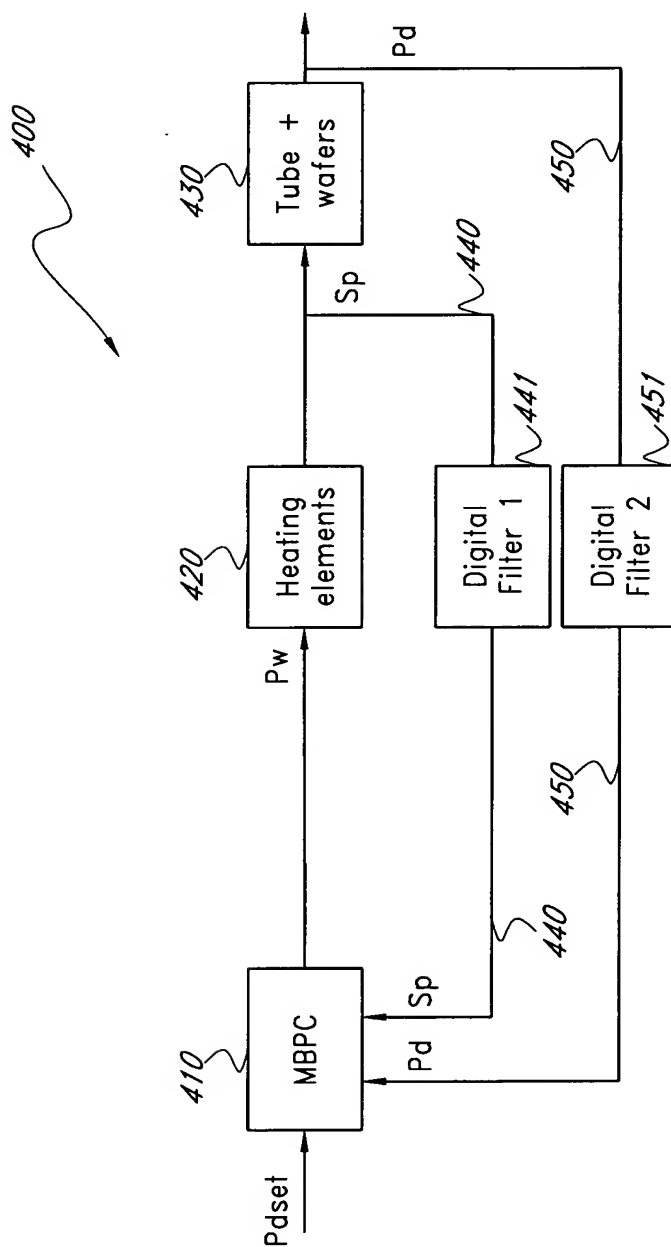
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**FIG. 2 PRIOR ART**

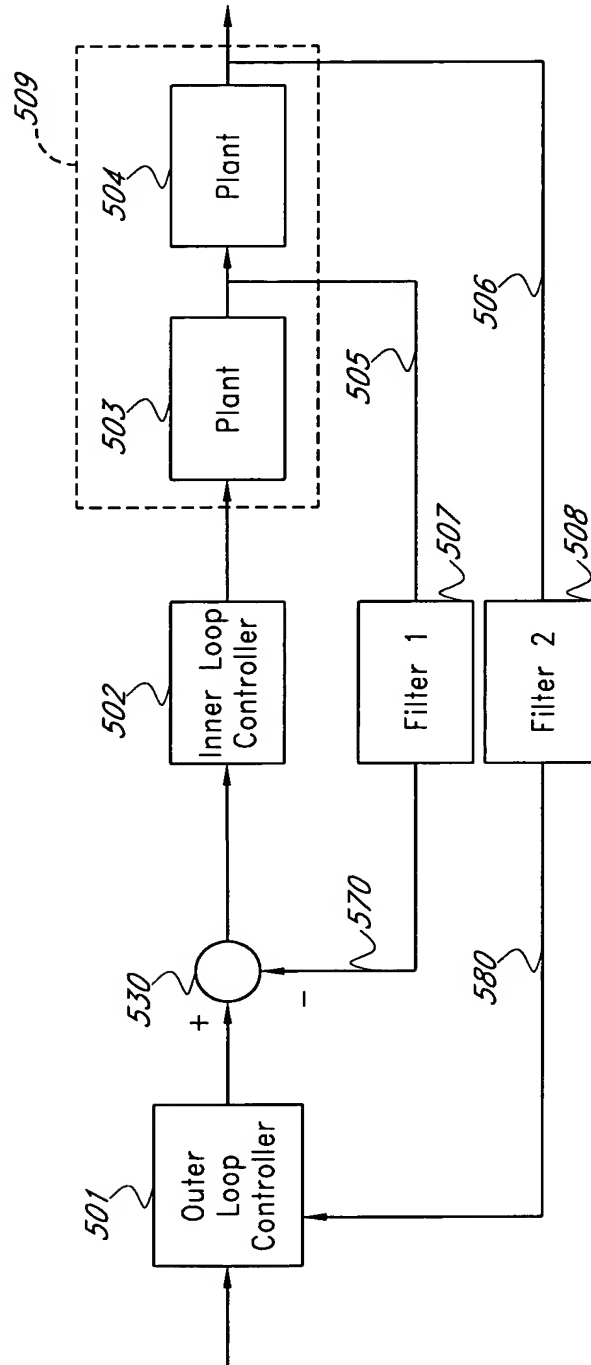
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**FIG. 3 PRIOR ART**

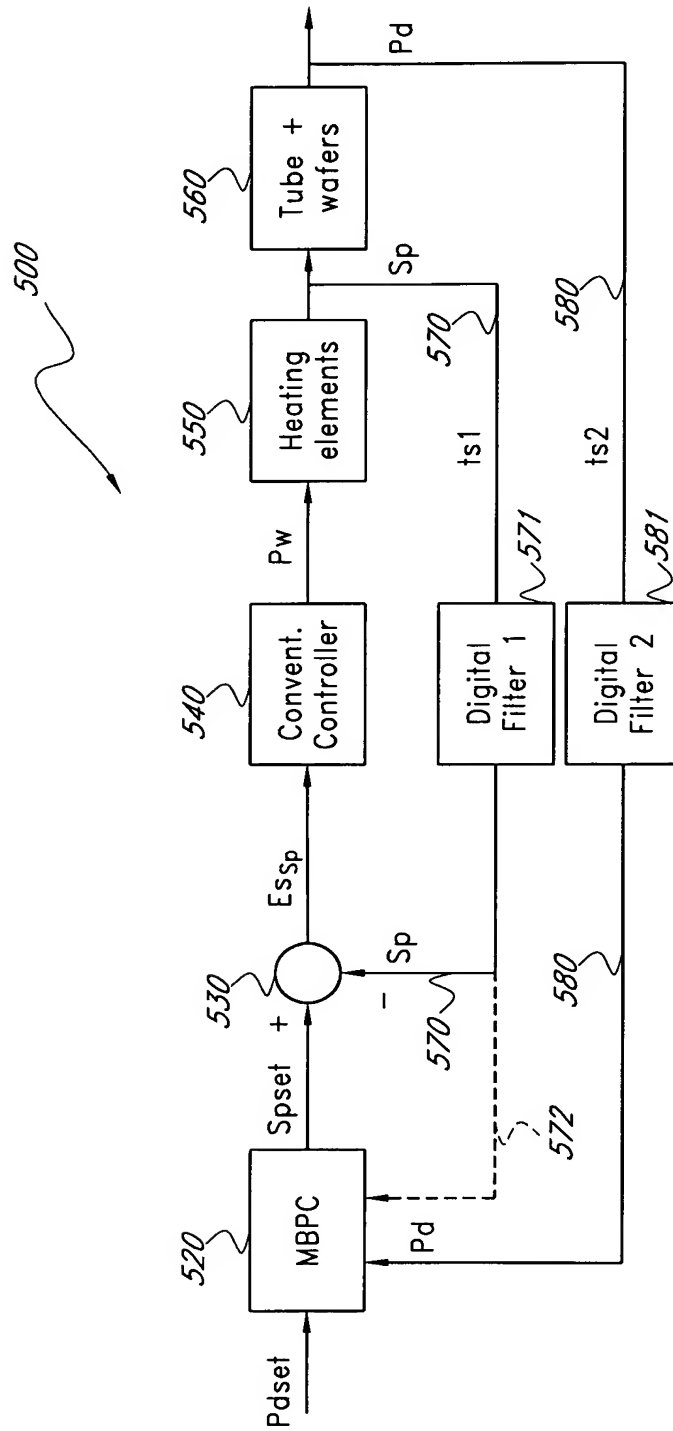
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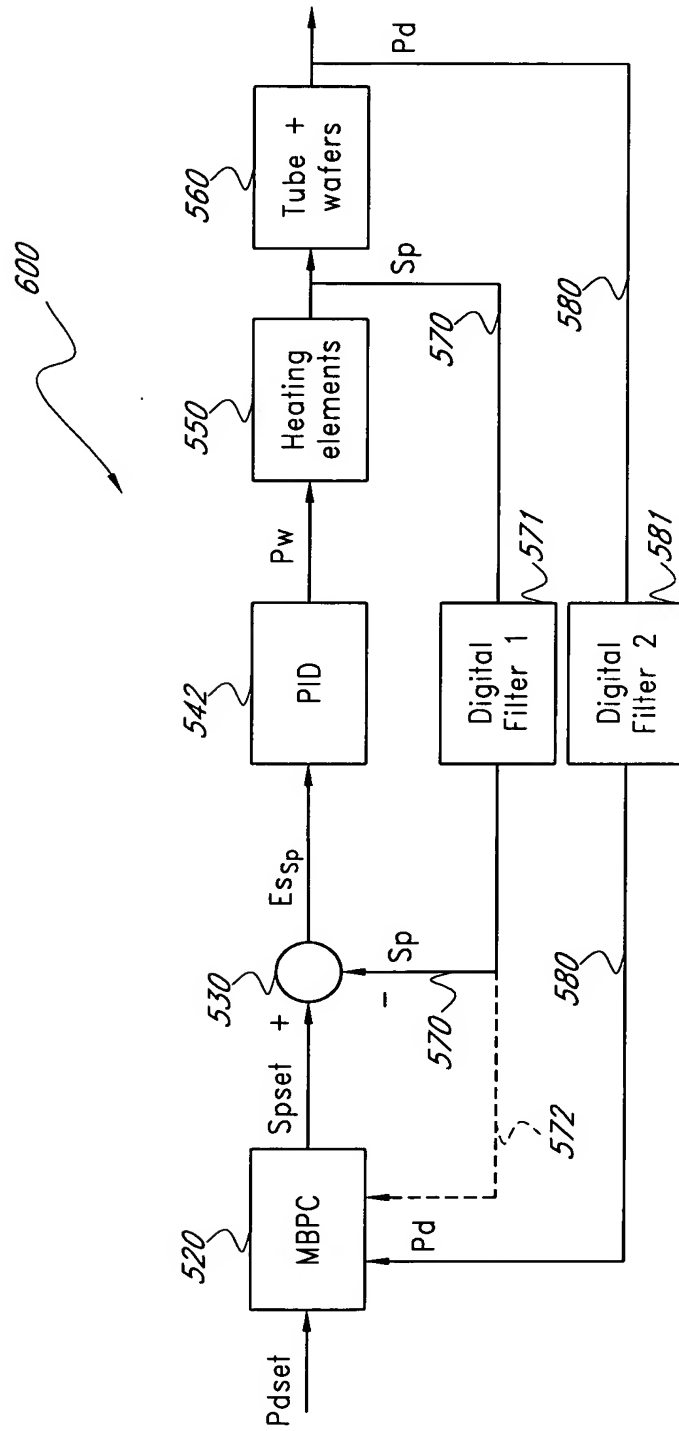
5/22

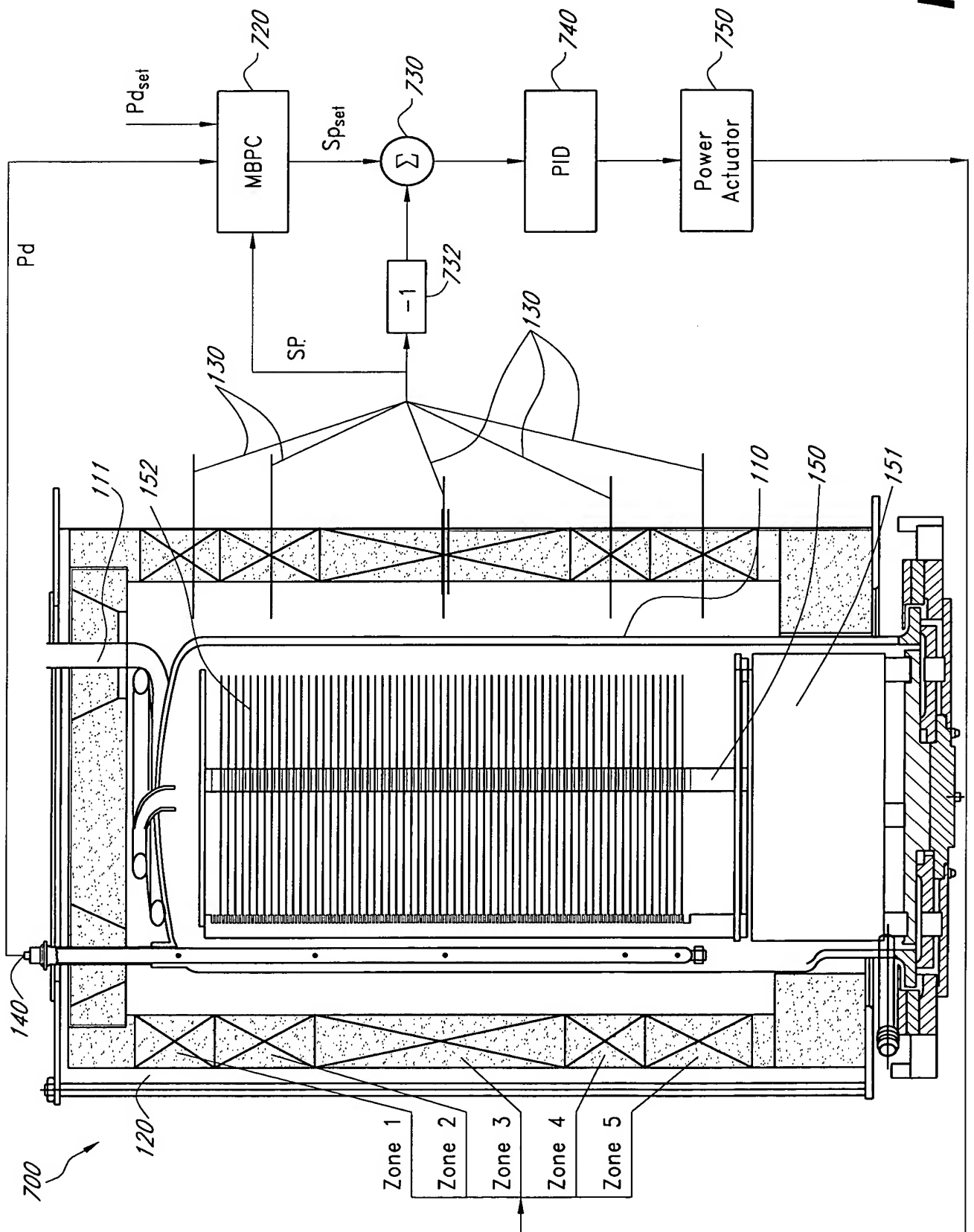
**FIG. 5A**

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**FIG. 5B**

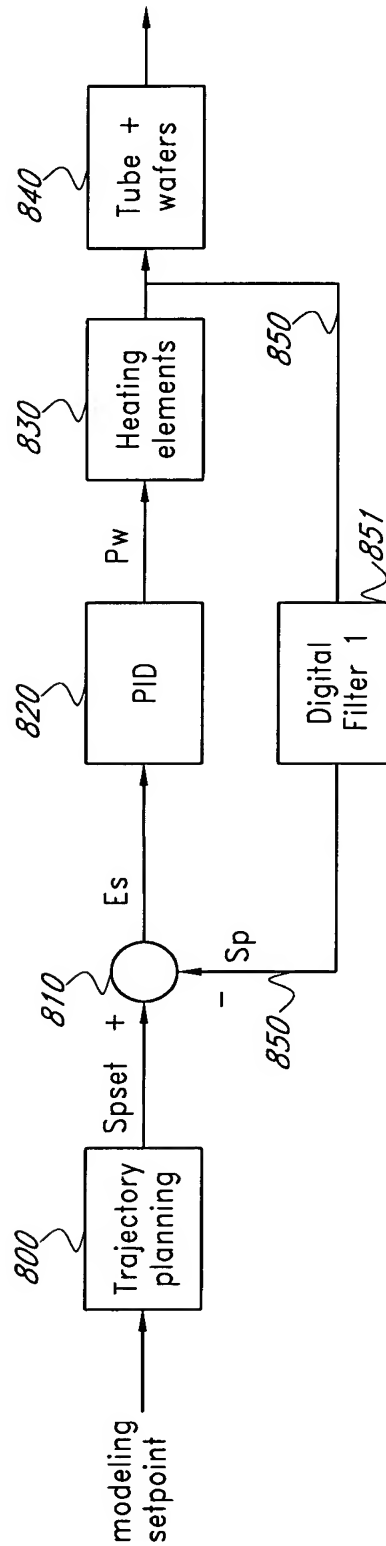
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**FIG. 6**

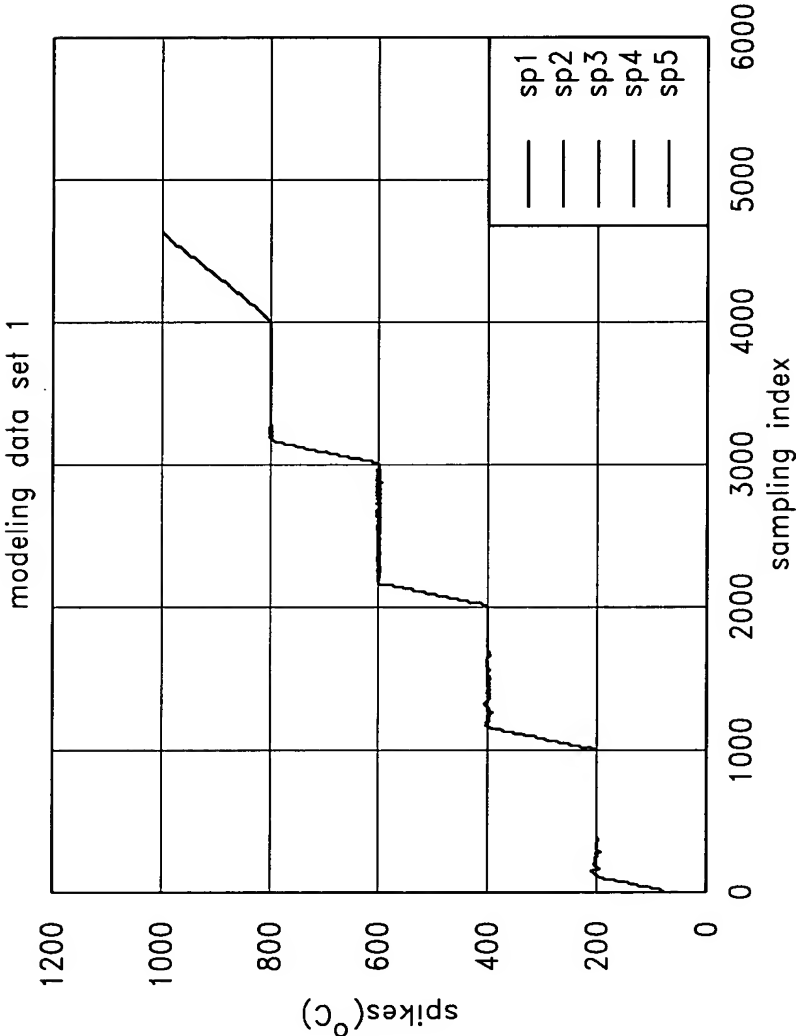




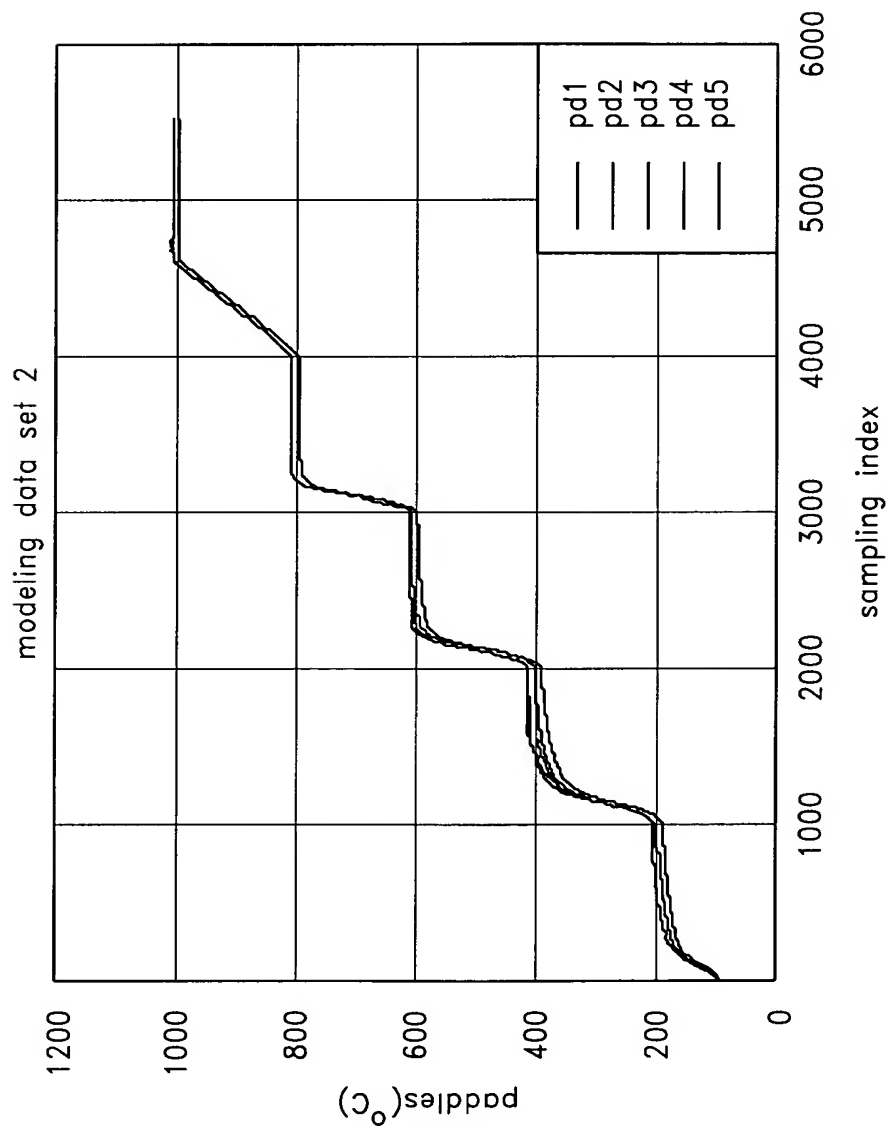
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**FIG. 8**

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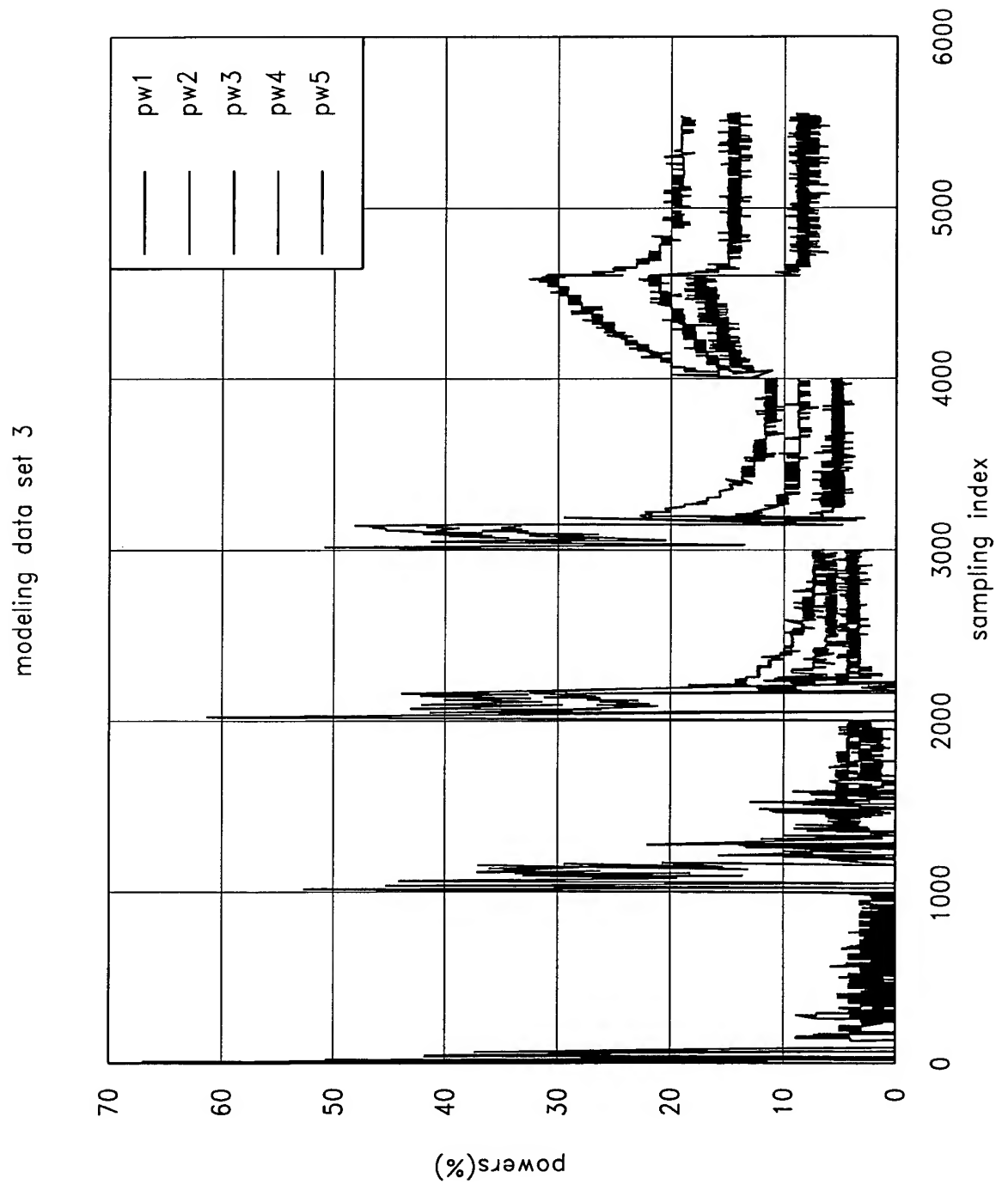


**FIG. 9**

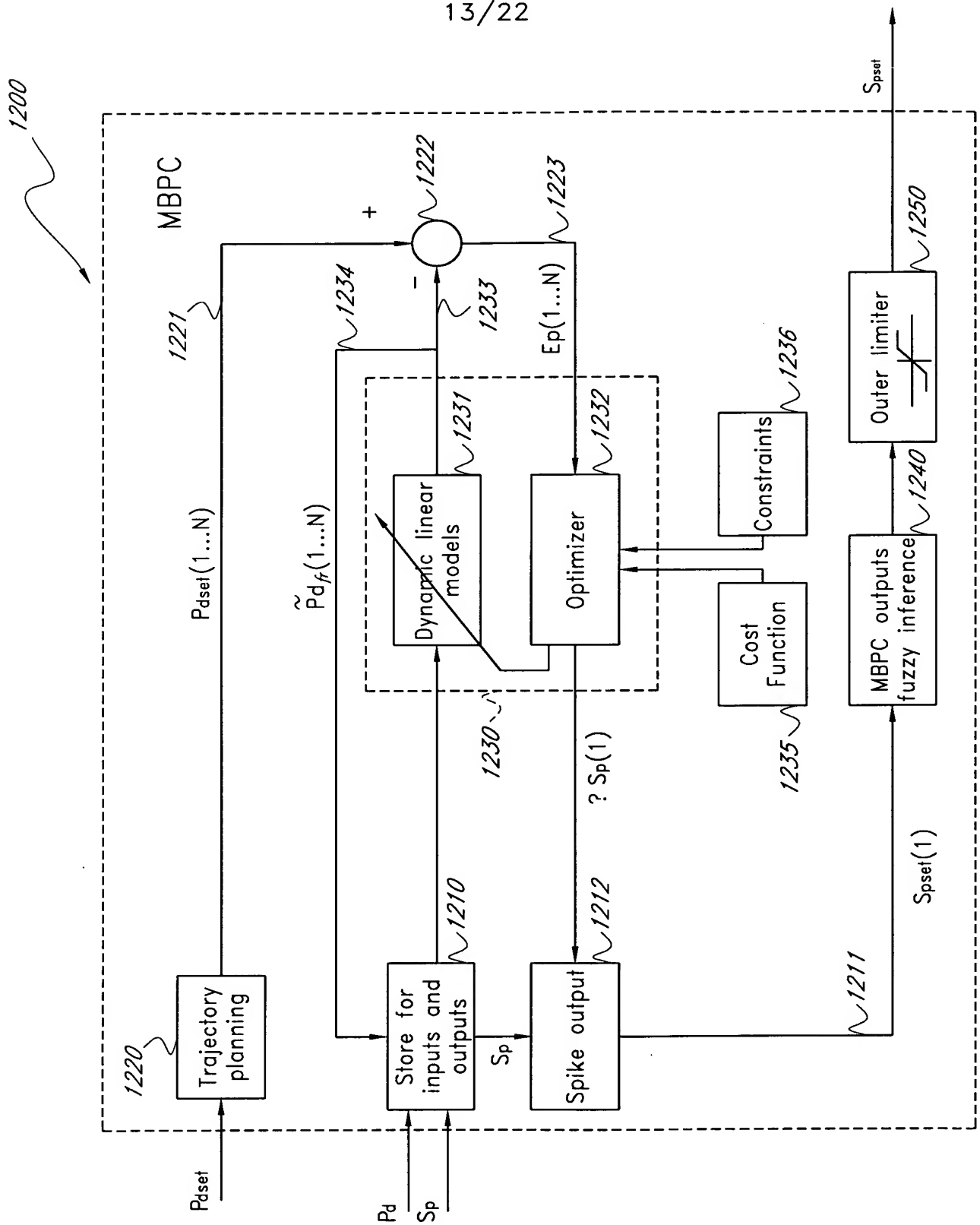


**FIG. 10**

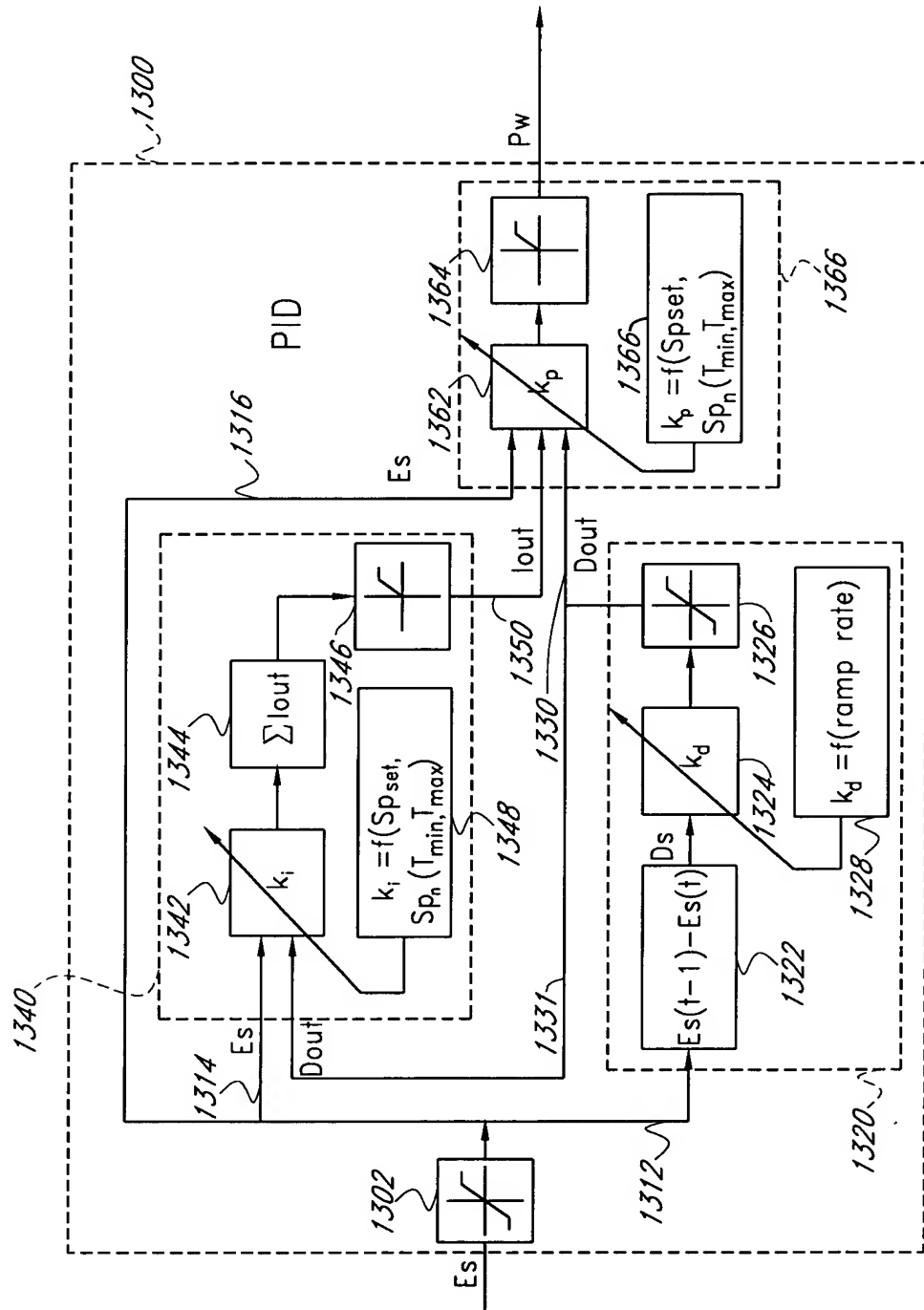
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**FIG. 11**

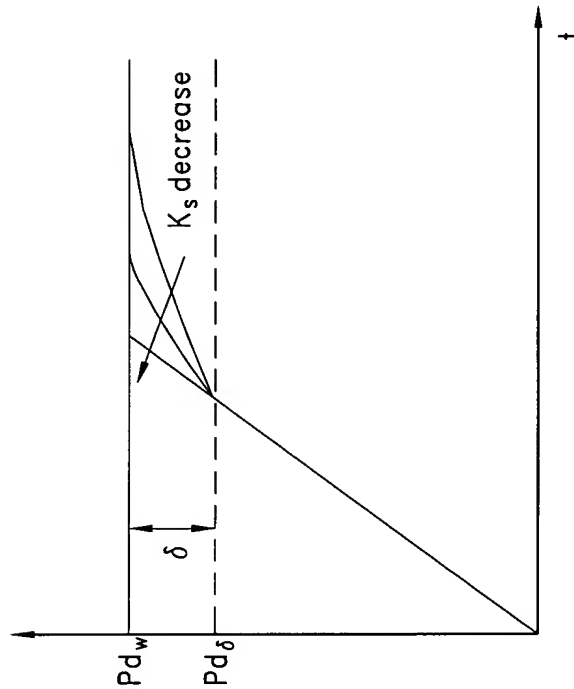
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**FIG. 13**

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**FIG. 14**

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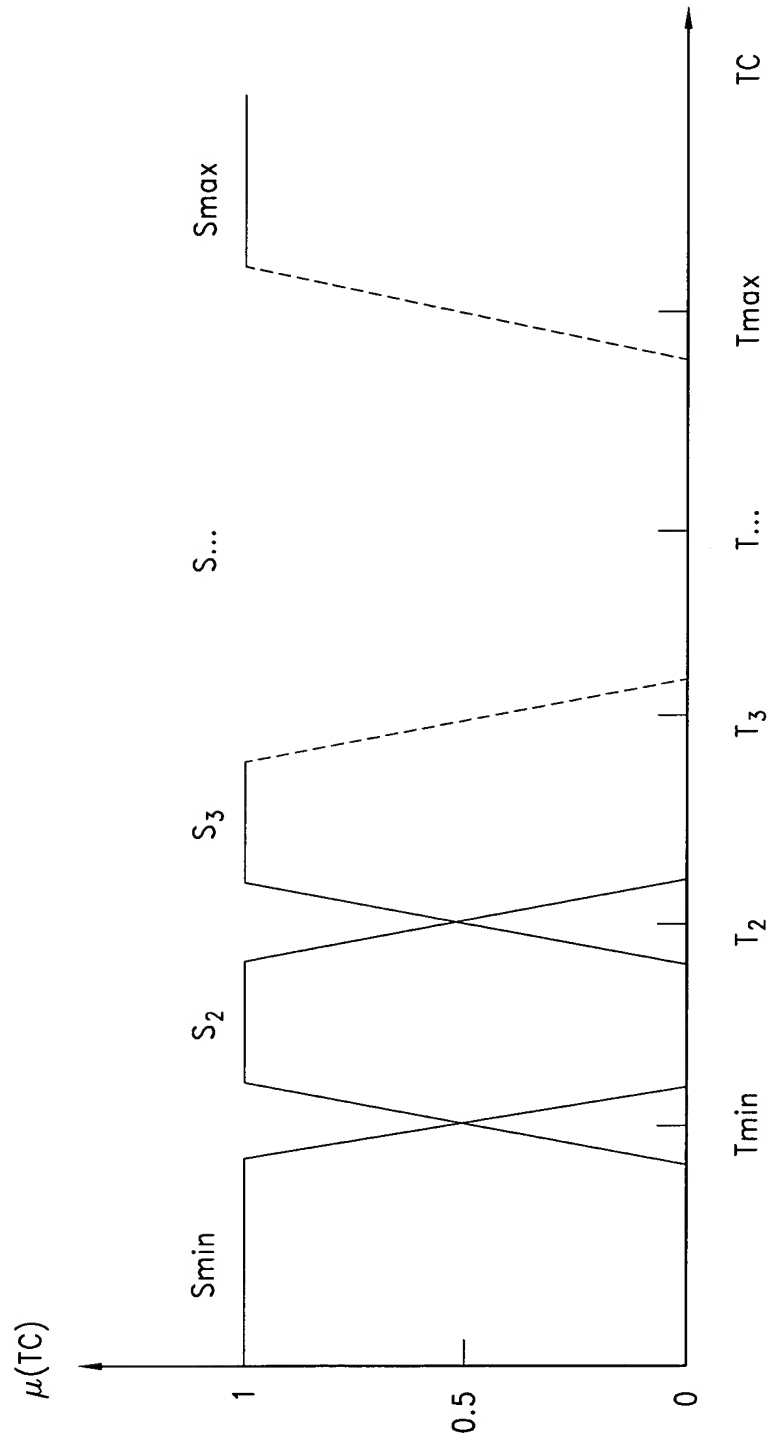
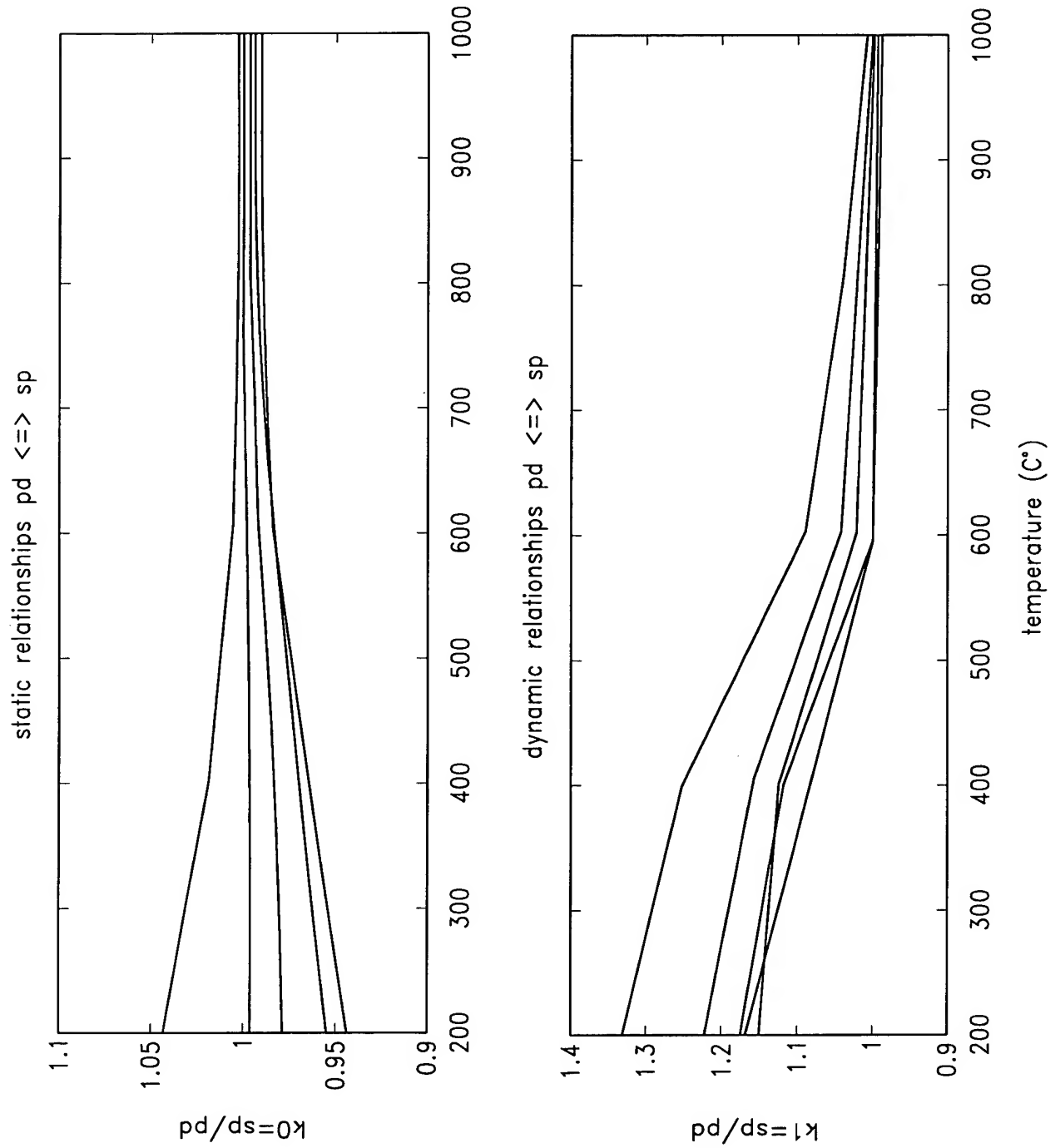


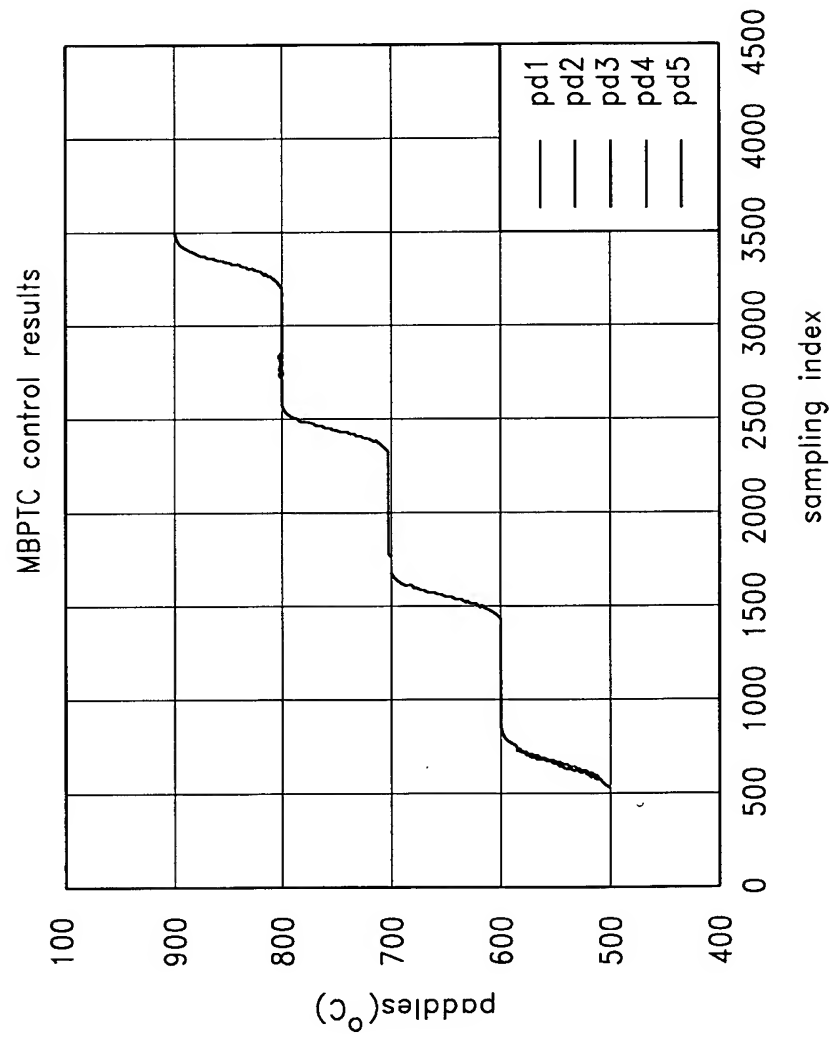
FIG. 15



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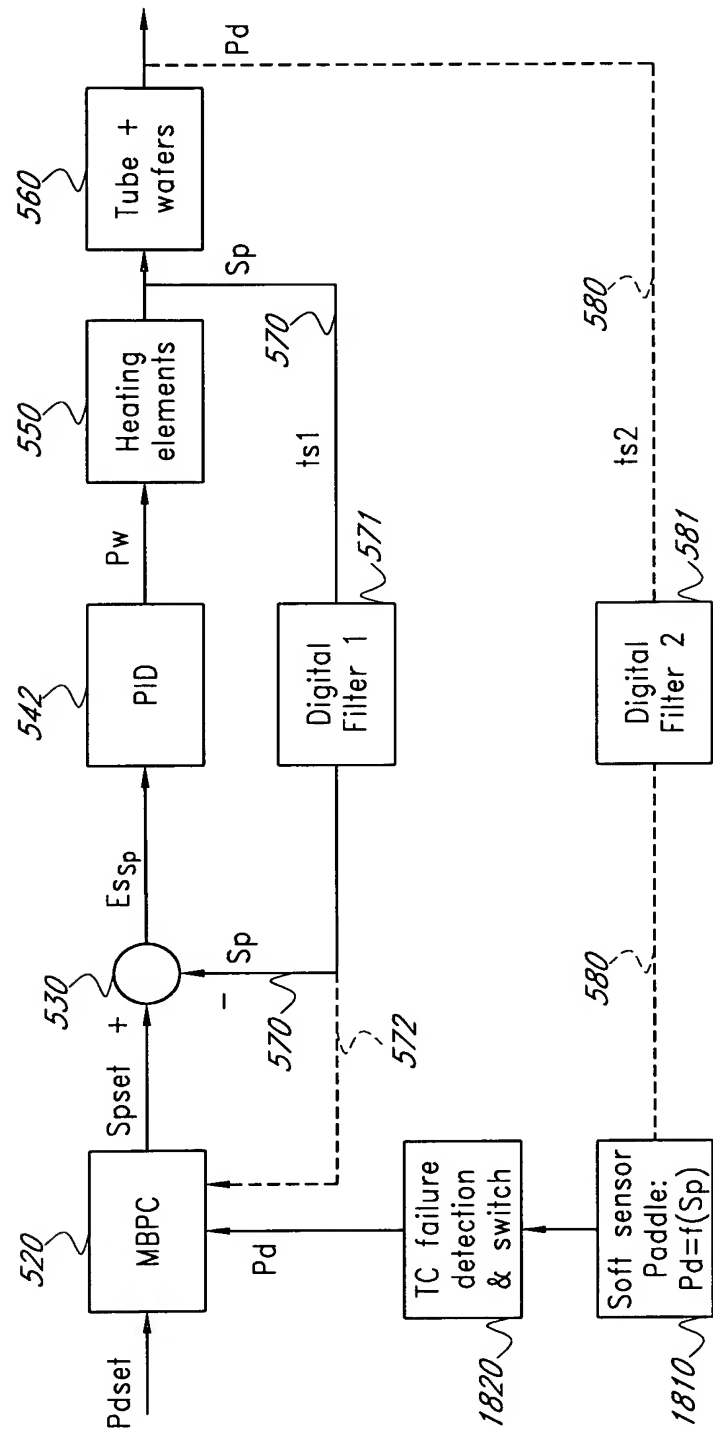


**FIG. 16**

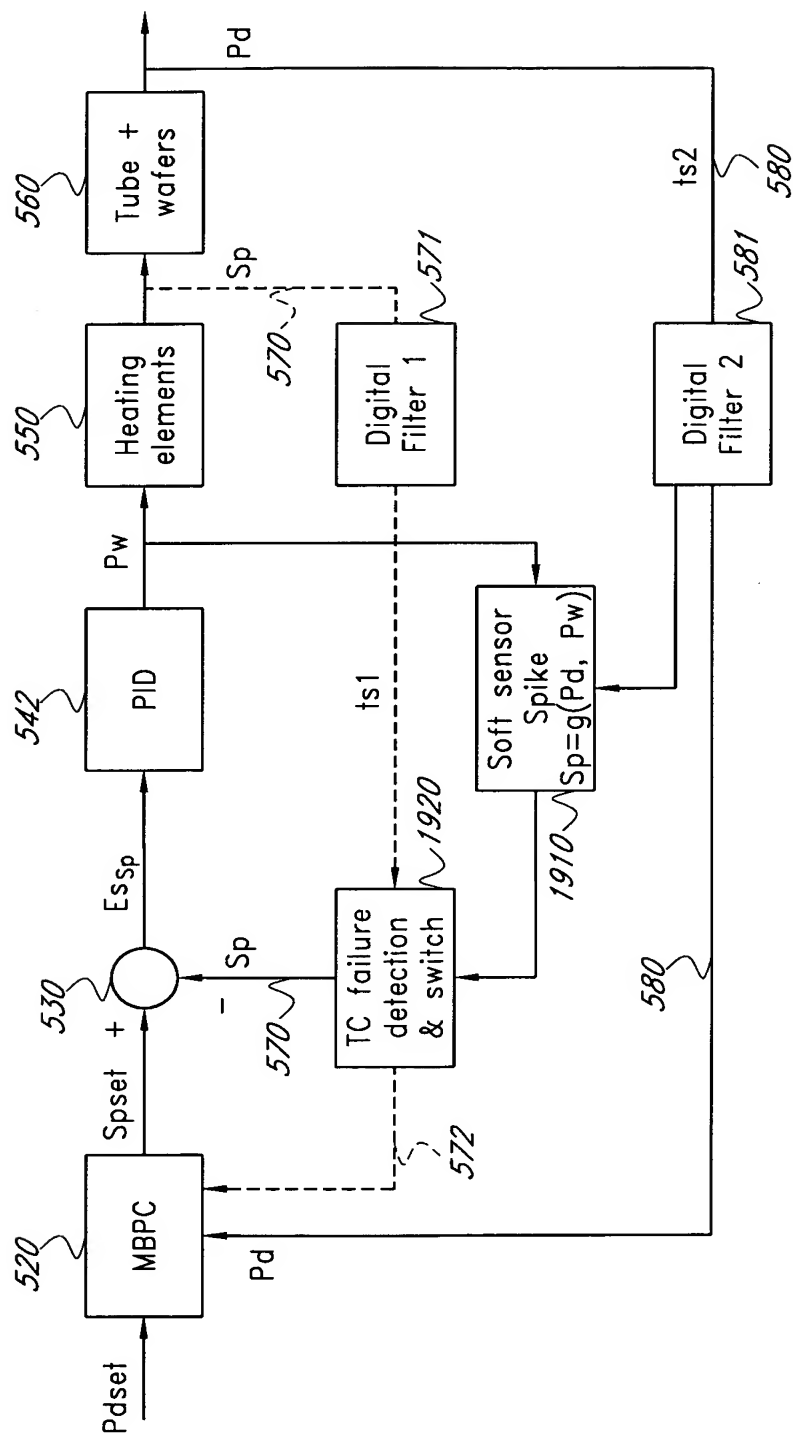


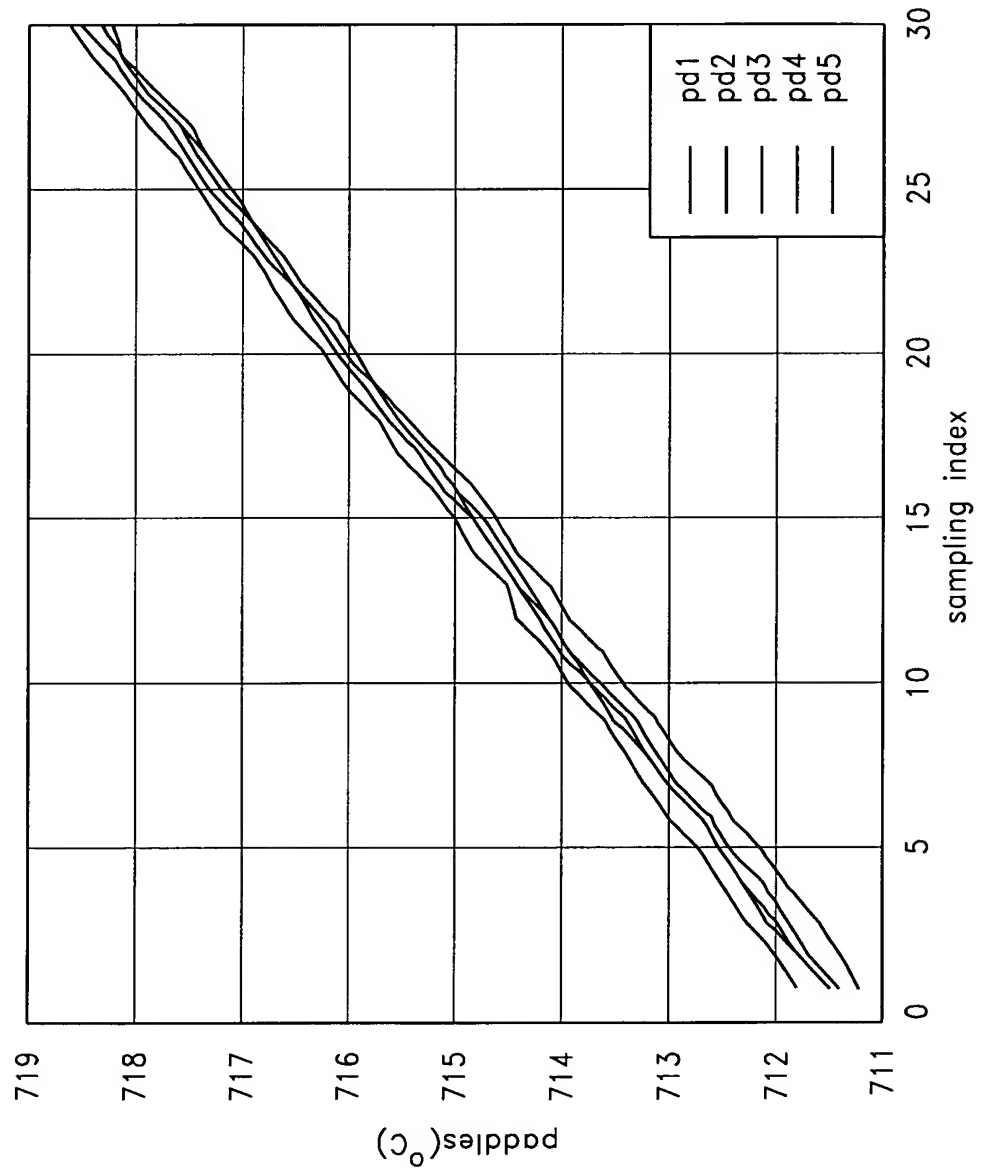
**FIG. 17**

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**FIG. 18**

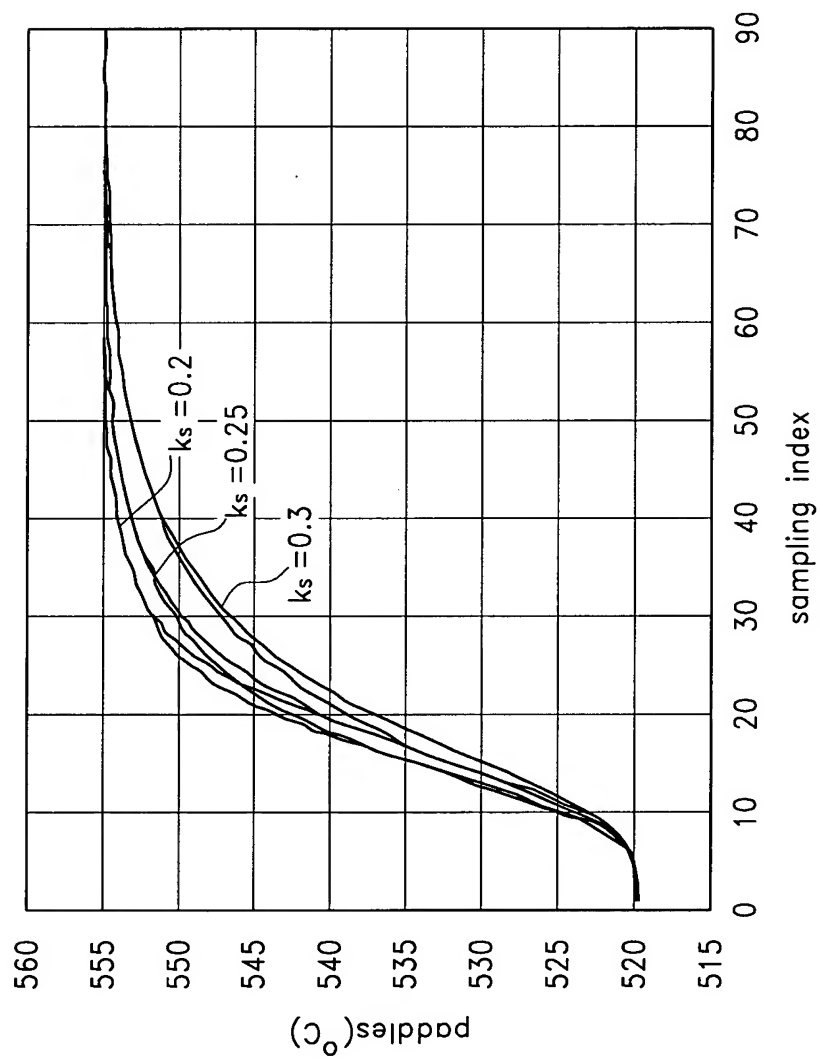
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**FIG. 19**



**FIG. 20**

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**FIG. 21**